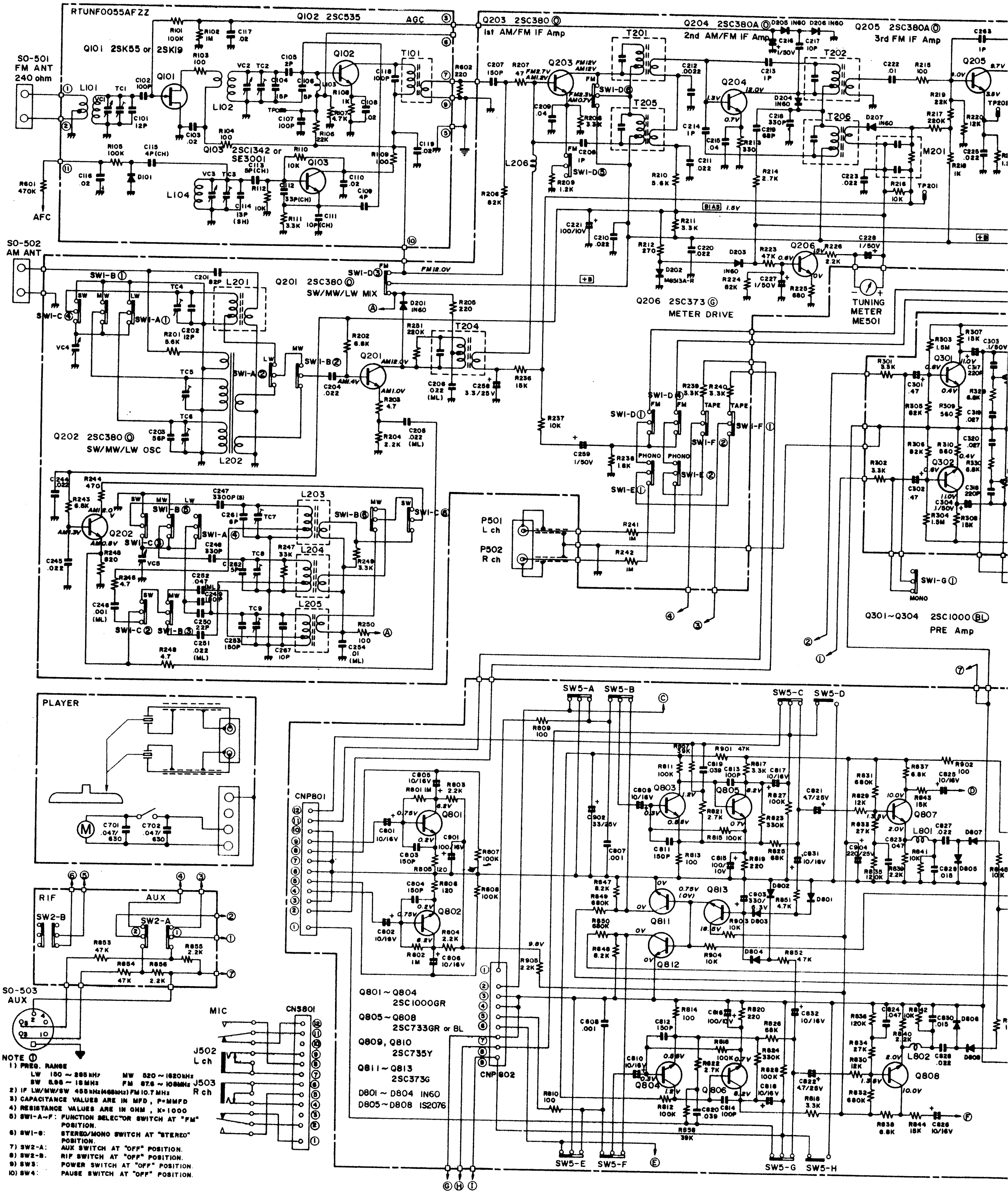
SG-309 H

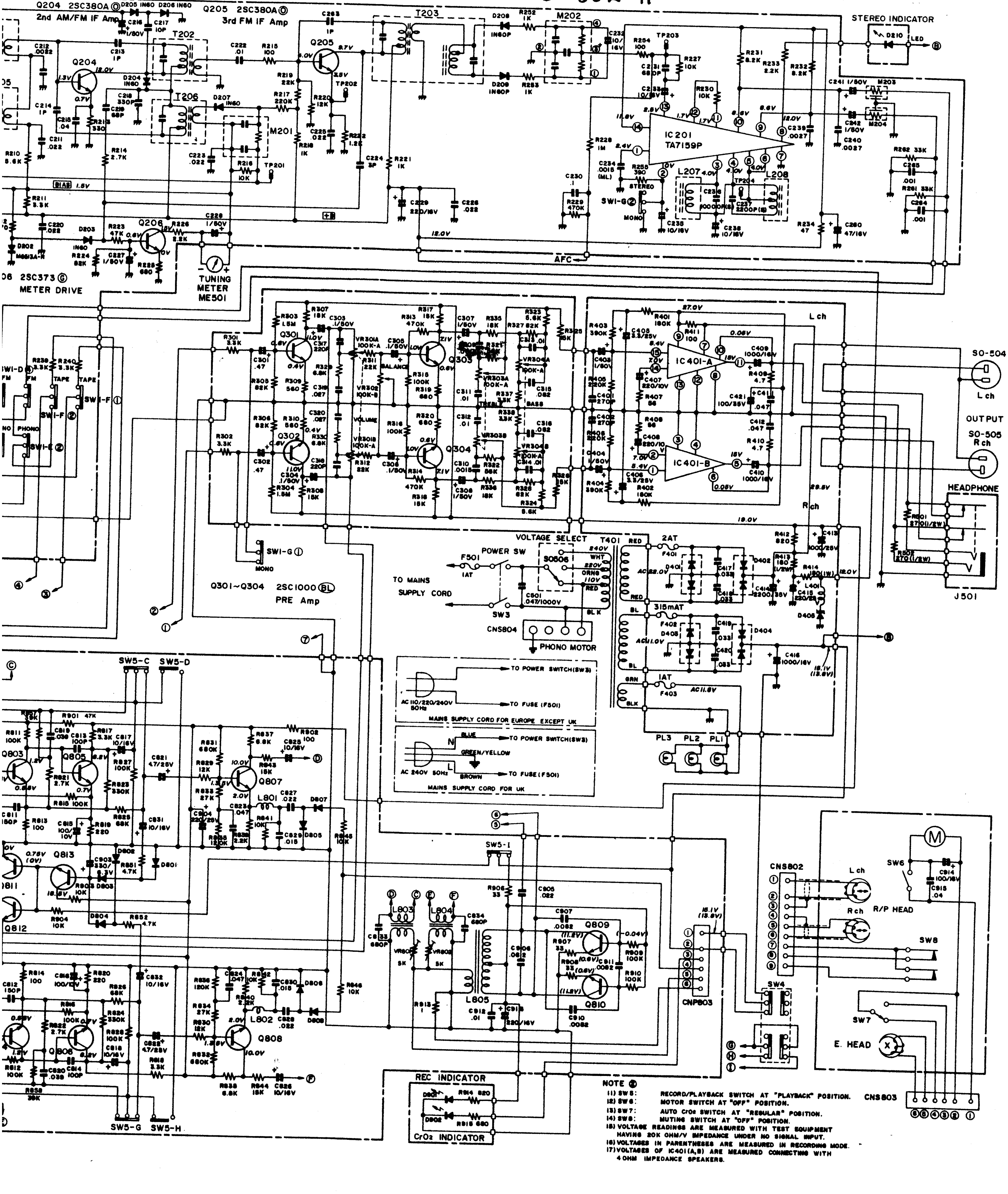

RTUNF0055AFZZ
Q101 2SK55 or 2SK19
Q102 2SC535
Q103 2SC1342 or SE3001
SO-501 FM ANT 240 ohm
AFC
AGC
Q203 2SC380 ⓞ 1st AM/FM IF Amp
Q204 2SC380A ⓞ 2nd AM/FM IF Amp
Q205 2SC380A ⓞ 3rd FM IF Amp
Q206 2SC373 Ⓖ METER DRIVE
TUNING METER ME501
SO-502 AM ANT
Q201 2SC380 ⓞ SW/MW/LW MIX
Q202 2SC380 ⓞ SW/MW/LW OSC
P501 L ch
P502 R ch
Q301~Q304 2SC1000 Ⓑⓛ PRE Amp
PLAYER
RIF
AUX
SO-503 AUX
MIC
J502 L ch
J503 R ch
CNP801
CNP802
CNS801
SW5-A
SW5-B
SW5-C
SW5-D
SW5-E
SW5-F
SW5-G
SW5-H
Q801~Q804 2SC1000GR
Q805~Q808 2SC733GR or BL
Q809, Q810 2SC735Y
Q811~Q813 2SC373G
D801~D804 IN60
D805~D808 IS2076

NOTE ①

1) FREQ. RANGE
   LW 150 ~ 285 kHz MW 520 ~ 1620 kHz
   SW 5.95 ~ 18 MHz FM 87.6 ~ 108 MHz
2) IF LW/MW/SW 455 kHz (468 kHz) FM 10.7 MHz
3) CAPACITANCE VALUES ARE IN MFD, P=MMFD
4) RESISTANCE VALUES ARE IN OHM, K=1000
5) SW1-A~F: FUNCTION SELECTOR SWITCH AT "FM" POSITION.
6) SW1-G: STEREO/MONO SWITCH AT "STEREO" POSITION.
7) SW2-A: AUX SWITCH AT "OFF" POSITION.
8) SW2-B. RIF SWITCH AT "OFF" POSITION.
9) SW3: POWER SWITCH AT "OFF" POSITION.
10) SW4: PAUSE SWITCH AT "OFF" POSITION.

ations or wiring diagrams of this model are subject to change for the improvement without prior notice.)

SG-309 H


Q204 2SC380A ⓞ
2nd AM/FM IF Amp
Q205 2SC380A ⓞ
3rd FM IF Amp
T202
T206
T203
M201
M202
M203
M204
STEREO INDICATOR
D210
LED
IC201
TA7159P
L207
L208
SWI-G ②
STEREO
MONO
AFC
BIAS
2SC373 Ⓖ
METER DRIVE
Q206
TUNING
METER
ME501
SWI-D
SWI-E ②
SWI-F ②
SWI-F ①
FM
TAPE
PHONO
Q301
Q302
Q303
Q304
Q301~Q304 2SC1000 ⒷⓁ
PRE Amp
VR301A 100K-A
VR301B 100K-A
VOLUME
BALANCE
VR302 100K-B
VR303A 100K-A
VR303B
TREBLE
VR304A 100K-A
VR304B
BASS
SWI-G ①
MONO
IC401-A
IC401-B
L ch
R ch
SO-504
OUTPUT
SO-505
HEADPHONE
J501
VOLTAGE SELECT
POWER SW
T401
F501
IAT
S0506
240V
220V
110V
WHT
ORNG
RED
BLK
TO MAINS
SUPPLY CORD
SW3
CNS804
PHONO MOTOR
2AT
F401
D401
D402
315mAT
F402
D403
D404
F403
D405
PL3
PL2
PL1
TO POWER SWITCH(SW3)
TO FUSE (F501)
AC 110/220/240V 50Hz
MAINS SUPPLY CORD FOR EUROPE EXCEPT UK
BLUE
GREEN/YELLOW
BROWN
N
L
AC 240V 50Hz
MAINS SUPPLY CORD FOR UK
SW5-C
SW5-D
SW5-I
SW5-G
SW5-H
Q803
Q805
Q807
Q811
Q812
Q813
Q806
Q808
Q809
Q810
L801
L802
L803
L804
L805
CNP803
CNS802
R/P HEAD
M
SW4
SW6
SW7
SW8
E. HEAD
CNS803
REC INDICATOR
CrO2 INDICATOR

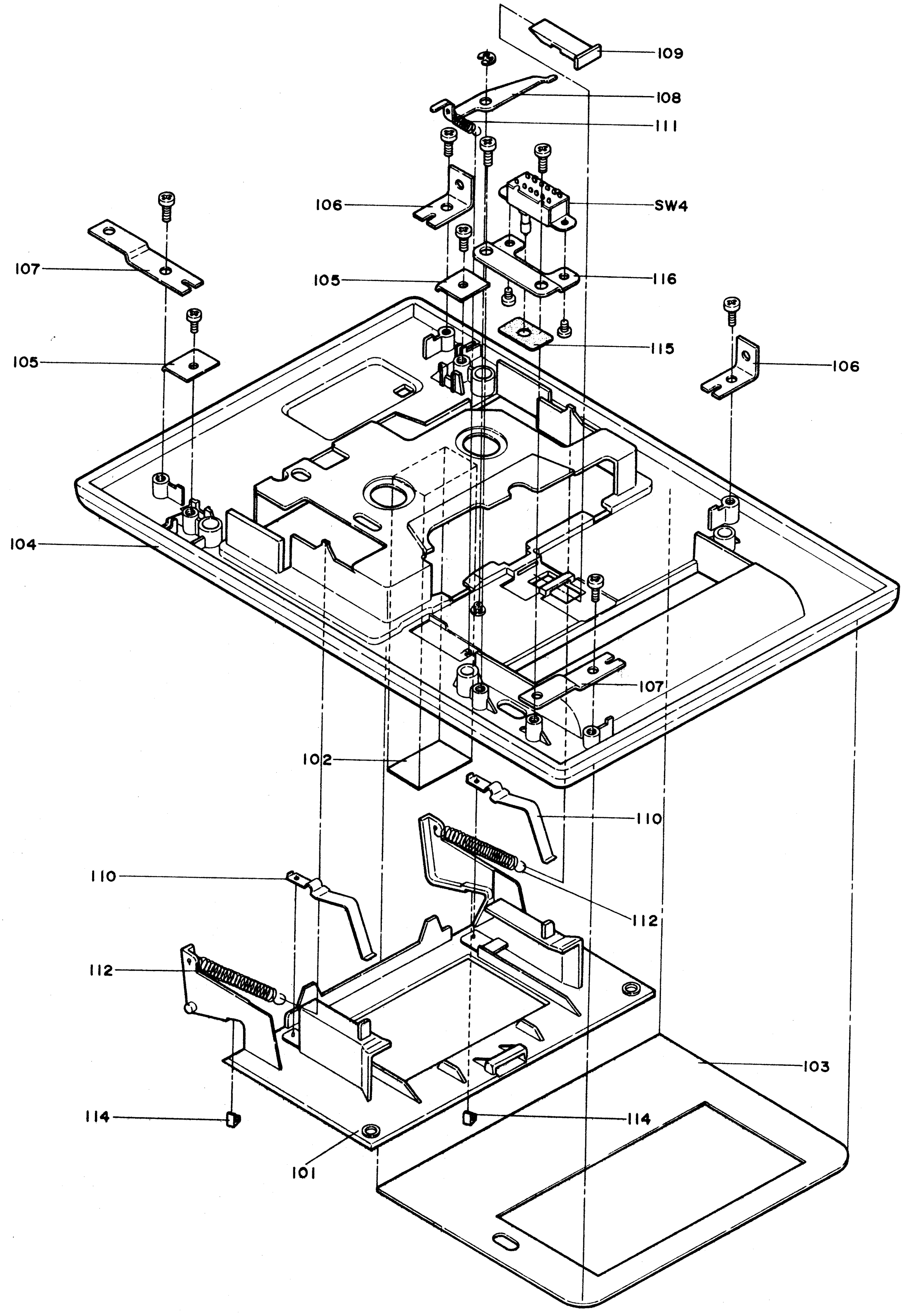
NOTE ②

(1) SW5: RECORD/PLAYBACK SWITCH AT "PLAYBACK" POSITION.
(2) SW6: MOTOR SWITCH AT "OFF" POSITION.
(3) SW7: AUTO CrO2 SWITCH AT "REGULAR" POSITION.
(4) SW8: MUTING SWITCH AT "OFF" POSITION.
(5) VOLTAGE READINGS ARE MEASURED WITH TEST EQUIPMENT HAVING 20K OHM/V IMPEDANCE UNDER NO SIGNAL INPUT.
(6) VOLTAGES IN PARENTHESES ARE MEASURED IN RECORDING MODE.
(7) VOLTAGES OF IC401(A,B) ARE MEASURED CONNECTING WITH 4 OHM IMPEDANCE SPEAKERS.

or notice.)

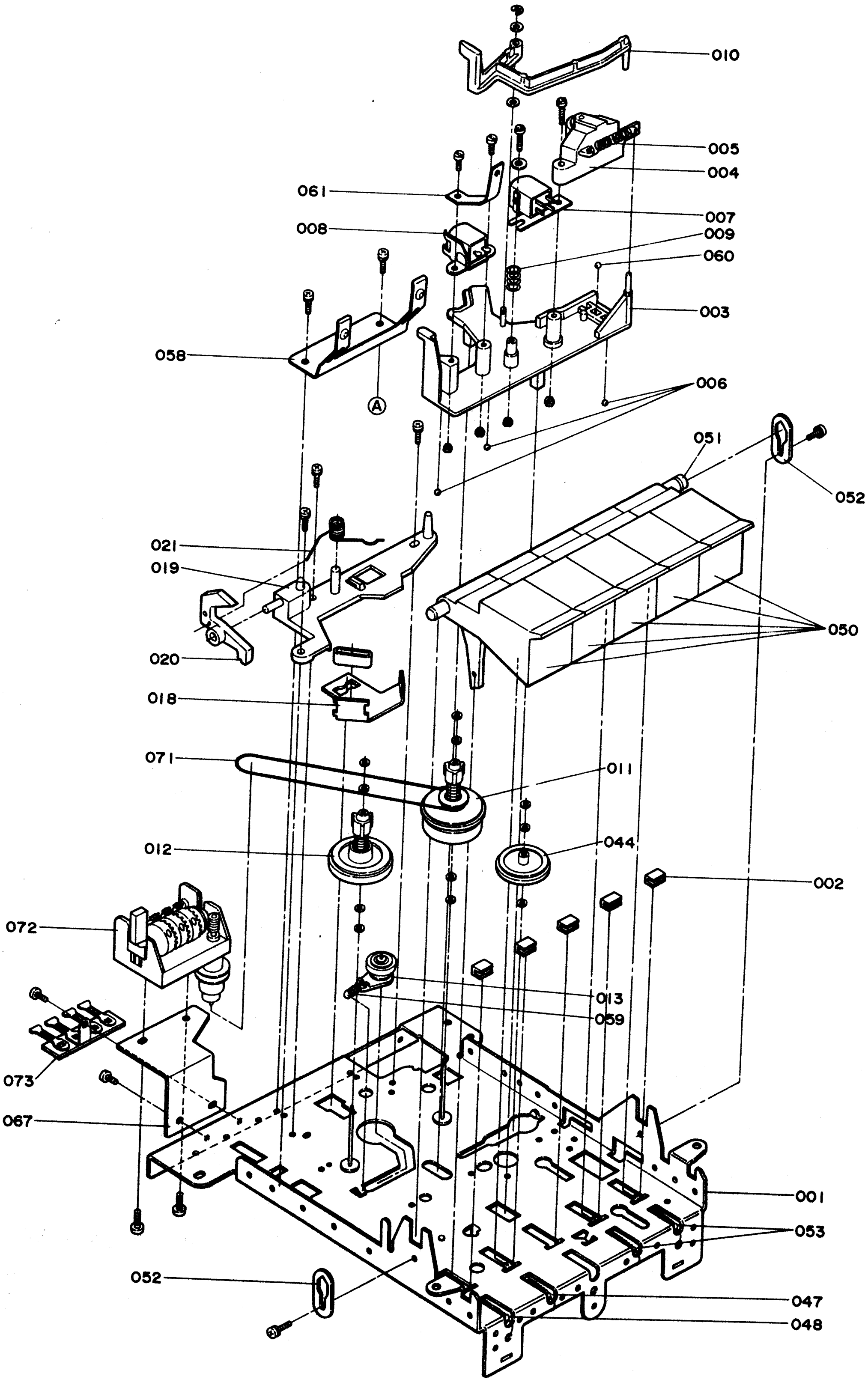
ure 20 SCHEMATIC DIAGRAM (SG-309H)

SG- 309 H

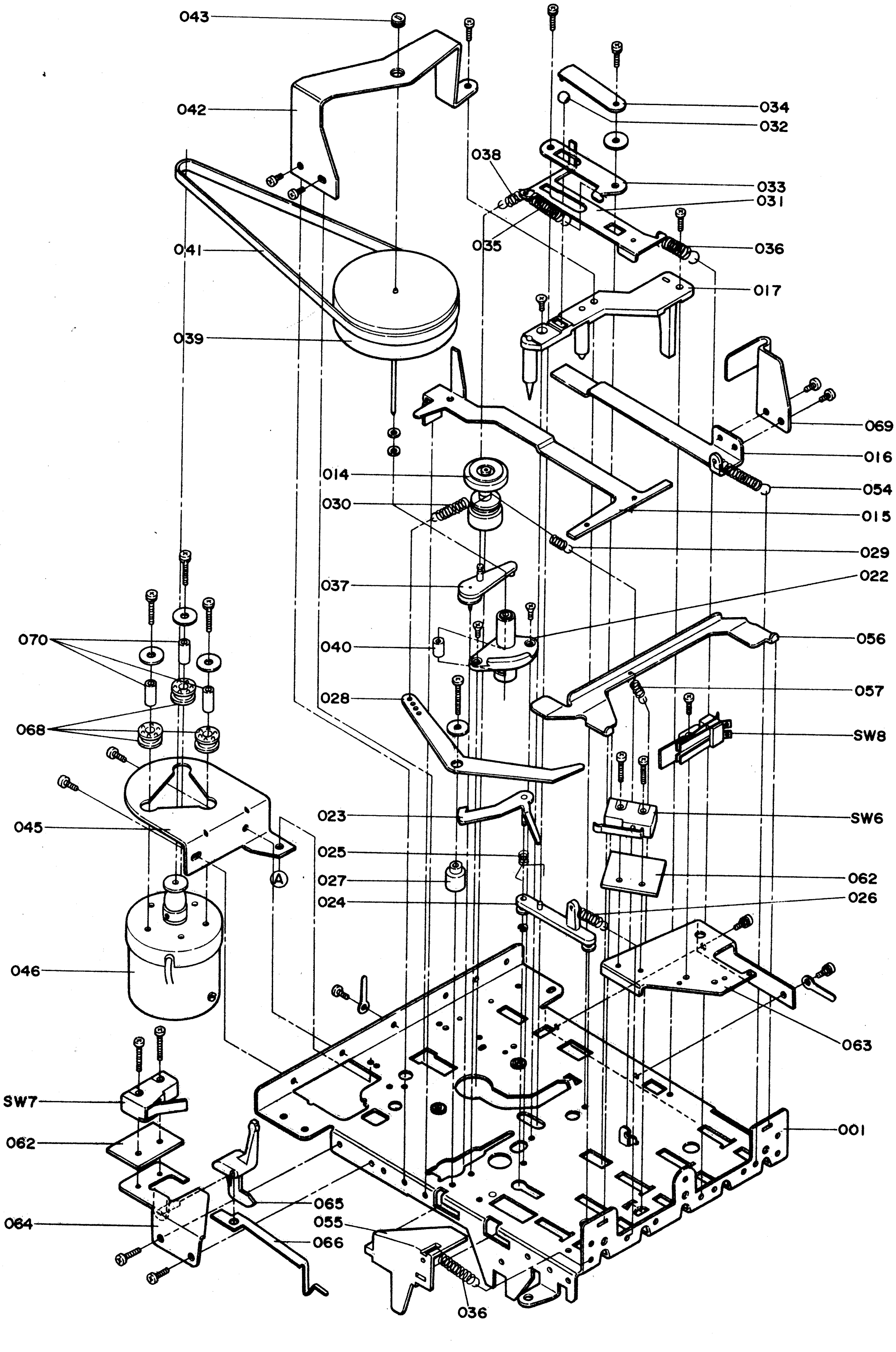

109
108
111
106
SW4
107
105
116
105
115
106
104
107
102
110
110
112
112
114
114
103
101

TAPE DECK PANEL EXPLODED VIEW (SG-309H ONLY)

SG - 309 H

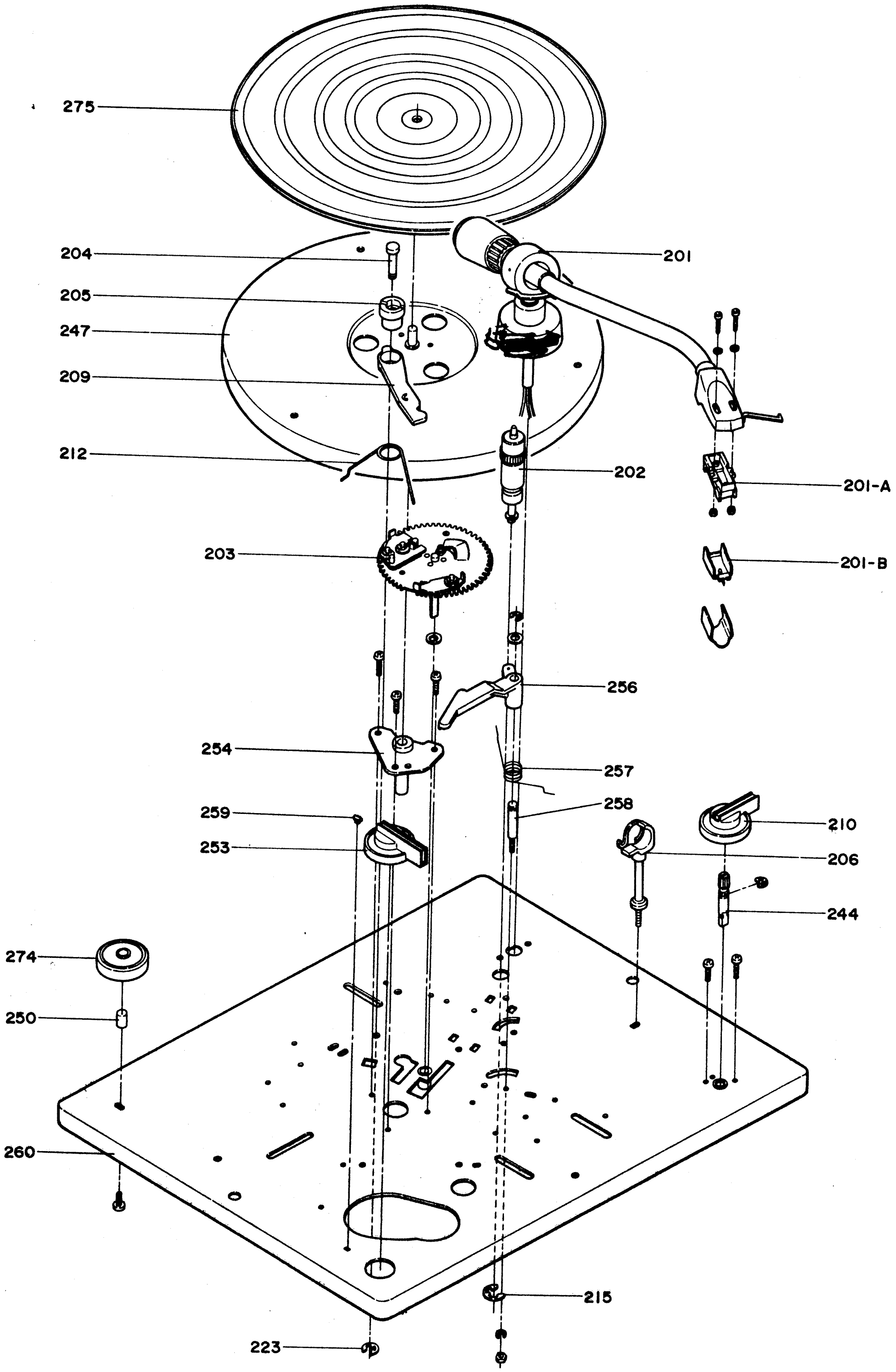

010
005
004
061
007
009
008
060
003
058
Ⓐ
006
051
052
021
019
050
020
018
071
011
012
044
002
072
013
059
073
067
001
053
052
047
048

TAPE DECK MECHANISM EXPLODED TOP VIEW (SG-309H ONLY)

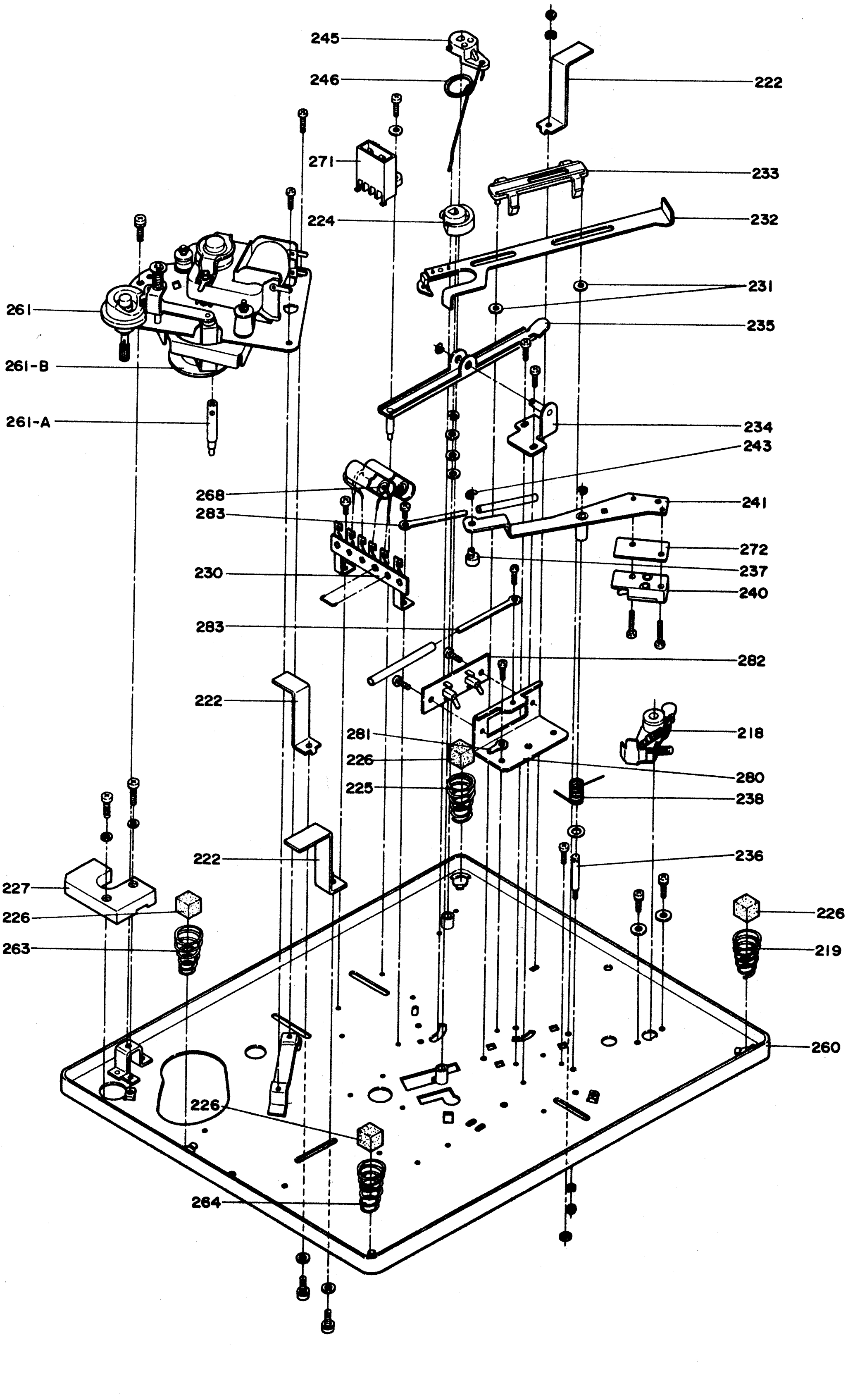

043
042
041
039
038
034
032
033
031
035
036
017
069
016
014
054
030
015
029
022
037
070
040
056
028
057
068
SW8
045
023
SW6
025
062
027
026
024
A
046
063
SW7
001
062
065
055
064
066
036

TAPE DECK MECHANISM EXPLODED BOTTOM VIEW (SG-309H ONLY)

SG-309 H


275
204
201
205
247
209
212
202
201-A
203
201-B
256
254
257
258
259
210
253
206
244
274
250
260
215
223

PLAYER EXPLODED TOP VIEW


245
246
222
271
233
224
232
261
231
235
261-B
234
261-A
243
268
241
283
272
230
237
240
283
282
222
218
281
226
225
280
238
236
222
227
226
263
226
219
260
226
264

PLAYER EXPLODED BOTTOM VIEW